

AMENDMENTS TO THE CLAIMS

1. **(Currently Amended)** A ~~molecule~~ polypeptide comprising an organism targeting agent covalently attached to a channel forming moiety.
2. **(Cancelled)**
3. **(Currently Amended)** The polypeptide of claim ~~2~~1, wherein said channel forming moiety is a channel forming polypeptide or a channel forming fragment thereof.
4. **(Original)** The polypeptide of claim 3, wherein said channel forming polypeptide, or channel forming fragment thereof, is selected from the group consisting of: α -hemolysin, diphtheria toxin, delta toxin, anthrax toxin, and colicin.
5. **(Original)** The polypeptide of claim 4, wherein said channel forming polypeptide, or channel forming fragment thereof, is colicin.
6. **(Original)** The polypeptide of claim 5, wherein said colicin is selected from the group consisting of E1, Ia, Ib, A, B and N.
7. **(Original)** The polypeptide of claim 6, wherein said colicin is colicin Ia.
8. **(Original)** The polypeptide of claim 7, wherein said channel forming fragment of colicin Ia is selected from the group consisting of amino acid residues 544-626 and 524-626.
9. **(Currently Amended)** The ~~molecule~~ polypeptide of claim 1, wherein said organism targeting agent is selected from the group consisting of a ligand, an antibody, or fragment thereof, a phage segment, and a pheromone.
10. **(Cancelled)**

11. **(Currently Amended)** The polypeptide of claim 10 wherein said organism ~~specific~~ targeting agent is a pheromone.

12. **(Cancelled)**

13. **(Cancelled)**

14. **(Cancelled)**

15. **(Cancelled)**

16. **(Cancelled)**

17. **(Cancelled)**

18. **(Cancelled)**

19. **(Cancelled).**

20. **(Cancelled)**

21. **(Cancelled)**

22. **(Currently Amended)** The polypeptide of claim ~~21~~, wherein said organism targeting agent is C-terminal to said channel forming moiety.

23. **(Currently Amended)** The polypeptide of claim ~~21~~, wherein said organism ~~specific~~ targeting agent is N-terminal to said channel forming moiety.

24. **(Original)** The polypeptide of claim 10, wherein said organism ~~specific~~ targeting agent is an antibody or a reconstituted antibody mimetic.

25. (Cancelled)

26. (Cancelled)

27. (Cancelled)

28. (Cancelled)

29. (Cancelled)

30. (Cancelled)

31. (Cancelled)

32. (Cancelled)

33. (Cancelled)

34. (Cancelled)

35. (Cancelled)

36. (Currently Amended) A polypeptide comprising a fungal ~~the *Candida Albicans*~~ ~~alpha-mating~~ pheromone and a channel forming domain of colicin.

37. (Currently Amended) The polypeptide of claim ~~34-36~~36, wherein said channel forming domain of colicin comprises residues 544-626 of colicin Ia.

38. (Currently Amended) The polypeptide ~~of any of claims 2-35~~of claim 1, comprising non-natural amino acid residues.

39. **(Original)** The polypeptide of claim 38, wherein said non-natural amino acid residues are amino acid analogs, or mimetics.

40. **(Original)** The polypeptide of claim 38, wherein said non-natural amino acid residues are D-isomers of natural amino acid residues.

41-72. **(Cancelled)**

73. **(New)** The polypeptide of claim 36 wherein said fungal pheromone is the *Candida Albicans* alpha mating pheromone.